

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

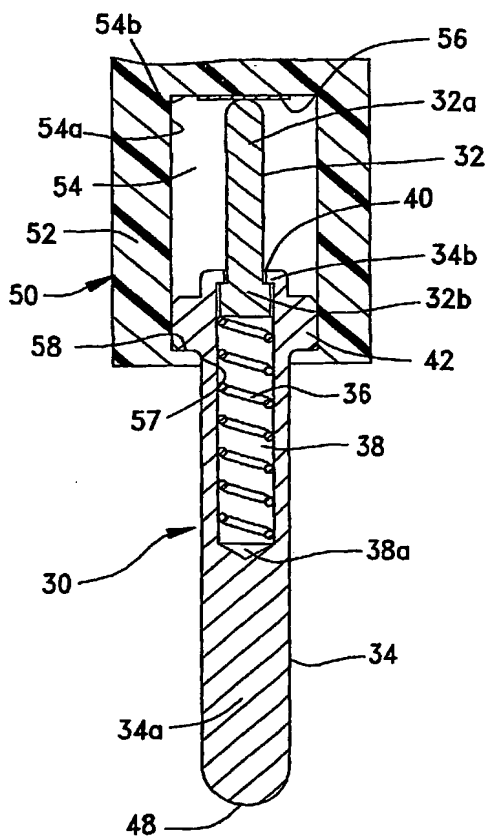
PCT

(10) International Publication Number  
**WO 2005/053369 A1**

- (51) International Patent Classification<sup>7</sup>: **H05K 7/10**,  
H01R 13/24
- (21) International Application Number:  
PCT/US2004/039084
- (22) International Filing Date:  
19 November 2004 (19.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
200320100684.X  
20 November 2003 (20.11.2003) CN
- (71) Applicant (for all designated States except US): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).
- (72) Inventor: **XU, Xiang** [CN/CN]; Room 601, N°20, Yuesheng Apartment House, Xiaolin Road, Yushan Town, Kunshan City, Jiangsu (CN).
- (74) Agent: **WEISS, Stephen, Z.**; Molex Incorporated, 2222 Wellington Court, Lisle, IL 60532 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: ELECTRICAL TERMINAL



(57) Abstract: An electrical terminal (30) includes a first contact member (32) having an outer pressure contacting end portion (32a) of a given diameter for pressure engaging a first electrical device. The first contact member has an inner end portion (32b) of a diameter at least slightly larger than the given diameter of the outer end portion. A second contact member (34) has a front pressure contacting end (34a) for pressure engaging a second electrical device. The second contact member has a rear end (34b) with a hole (38) for reciprocally receiving the inner end portion (32b) of the first contact member (32). A restricted stop is formed at the rear (34b) end of the hole (38) for abutting the inner end portion of the first contact member to define an outer limit position of the first contact member. A biasing member (36) is disposed in the hole in the second contact member and is engageable with the inner end portion of the first contact member. The biasing member resiliently biases the first and second contact members in opposite directions.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *with amended claims*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*